

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011434

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E05F1/12 E05D5/06 E05F15/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E05F E05D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CH 364 711 A (ERNST LUST KG) 30 September 1962 (1962-09-30)	1-4, 6-12, 23, 33, 37-40
Y	page 2, lines 48-104; figure 2	13-15, 17-22, 36
X	DE 12 43 561 B (FA. CARL SIEVERS) 29 June 1967 (1967-06-29) column 4, lines 36-39	1, 2, 8, 9, 13-16, 23, 24
X	US 2 912 237 A (SNYDER HAROLD M) 10 November 1959 (1959-11-10) column 1, lines 18-22; figures 1-3 -/-	1-4, 35

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

26 May 2005

Date of mailing of the international search report

02/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Witasse-Moreau, C

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011434

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 805 442 A (RAGSDALE LA VERNE B) 10 September 1957 (1957-09-10) column 2, lines 60-65; figures 4-7 -----	1,2,8, 13,25, 33,34
Y	US 4 365 893 A (KIMURA ET AL) 28 December 1982 (1982-12-28) abstract; figures 5,6 -----	13-15, 17-22,36

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011434

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CH 364711	A	30-09-1962	NONE
DE 1243561	B	29-06-1967	NONE
US 2912237	A	10-11-1959	NONE
US 2805442	A	10-09-1957	NONE
US 4365893	A	28-12-1982	JP 1247405 C 16-01-1985
		JP 56089761 A 21-07-1981	
		JP 59026013 B 23-06-1984	
		DE 3067223 D1 26-04-1984	
		EP 0032305 A1 22-07-1981	